ABSTRACT OF THE DISCLOSURE

Computer apparatuses and processes for analyzing a system are provided. The apparatuses and processes incorporate steps of collecting data from a first system, wherein the first system has a plurality of failure modes and the data relates to the failure modes, parameterizing the data for use in a simulation of a second system, and executing a simulation of the second system. The step of executing the simulation also includes determining whether the second system will encounter a first false start event based upon the data collected from the first system.